

SACRAMENTO RIVER GEOGRAPHIC INFORMATION SYSTEM

The Sacramento River Geographic Information System was developed by the California Department of Water Resources in cooperation with the Senate Bill 1086 Advisory Council.

Its primary purpose is to assist with carrying out the objective of the Upper Sacramento River Fisheries and Riparian Habitat Management Plan, which is to reestablish a continuous riparian ecosystem along the Sacramento River between Keswick and Verona. It is intended to help with locally based decision-making, assisting both scientists and laypeople in understanding and analyzing land use and vegetation patterns, flooding, erosion, and channel dynamics on the river.

SUBJECT	DESCRIPTION
Alluvial deposition, active	Active alluvial deposition, as mapped by Halley and Harwood (1985)
Alluvial deposition, recent	Recent alluvial deposition, as mapped by Halley and Harwood (1985)
Bank protection	U.S. Army Corps of Engineers (COE) bank protection and levees, as mapped in 1991 COE Atlas
Bank swallow sites	Location and number of bank swallow burrows (1994)
California Natural Diversity Database	California Natural Diversity Database (CNDDB)
Channel locations	River channel, selected years between 1896 and 1991
Counties	County boundaries: Siskiyou, Lassen, Del Norte, Lake Mendocino, Humboldt, Shasta, Tehama, Glenn, Colusa, Butte, Sutter, Yolo, Sacramento, San Joaquin, part of Placer, Yuba
Districts: Irrigation, Water and Reclamation	Irrigation, Water and Reclamation Districts within the Sacramento River Conservation Area
Erosion	Erosion projections developed by Koll Buer, 25 and 50 years, with and without riprap (1991)
Flooding, Recurrence Interval Models	Generalized inundation scenarios for various recurrence intervals
Floodline	100-year floodline
Geology	Surface geology, mapped by Harwood & Halley, revised by Koll Buer

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Growth Projections	Growth projections for northern Sacramento Valley (Radabaugh)
Land Use	Land use data developed by Department of Water Resources Resources
Levees	Private levees (1978)
Meanderbelt, 50 year	U.S. Army Corps of Engineers' 50-year meander belt (1981)
Meanderbelt, 150 year, (inner river zone guideline)	100-year meanderbelt plus 50-year erosion projections
Meanderbelt, 100 year	Aggregate river channels, 1896-1991
Ownership	Property ownership (1995)
Planning boundary	Proposed Sacramento River Conservation Area
Political districts	State and federal political districts
Precipitation	Precipitation isohyets
Quadrangle sheets	USGS 7.5' quad boundaries and names
Reaches	Four broad reaches between Keswick Dam and Verona
Section lines	Section lines
Seepage areas	High risk seepage areas (Priestaff)
Soils	Soils as mapped by Soil Conservation Service
Vegetation, bank	Bank mapping (1995)
Vegetation, bank	Bank mapping (1996)
Vegetation, flood protection	Riparian vegetation sites important for flood control (MBK sites)
Vegetation, 1952	Riparian vegetation (1952), mapped by McGill
Vegetation, 1987	Riparian vegetation (1987), mapped by McGill
Vegetation, since 1994	Riparian vegetation, mapped by CSU Chico
Water Diversions	Draft agricultural water diversion data (1994), from California Department of Fish and Game, Inland Fisheries Division
Watersheds	Surface water basins